GDNF (Human) Recombinant Protein

Catalog # P8682 Size 2 x 10 ug

Specification

Product Description	Human GDNF partial recombinant protein with His tag in N-terminus expressed in Baculovirus.
Sequence	ADPMRGQRGKNRGCVLTAIHLNVTDLGLGYETKEELIFRYCSGSCDAAETTYDKILKNLSRNRRLV SDKVGQACCRPIAFDDDLSFLDDNLVYHILRKHSAKRCGCIHHHHHH
Host	Viruses
Theoretical MW (kDa)	12.8
Form	Liquid
Preparation Method	Baculovirus expression system
Purification	chromatographic
Purity	> 90% as determined by SDS-PAGE.
Storage Buffer	Solution (0.25 mg/mL) containing 1X PBS, pH 7.4, 10% glycerol.
Storage Instruction	Store at 4°C for 2-4 weeks and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

Gene Info — GDNF

Entrez GeneID	2668
Protein Accession#	P39905

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Gene Name	GDNF
Gene Alias	ATF1, ATF2, HFB1-GDNF
Gene Description	glial cell derived neurotrophic factor
Omim ID	142623 171300 209880 600837
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a highly conserved neurotrophic factor. The recombinant form of this protein was shown to promote the survival and differentiation of dopaminergic neurons in culture, and was able to prevent apoptosis of motor neurons induced by axotomy. The encoded protein is processed to a mature secreted form that exists as a homodimer. The mature form of the protein is a ligand for the product of the RET (rearranged during transfection) protooncogene. In addition to the transcript encoding GDNF, two additional alternative transcripts encoding distinct proteins, referred to as astrocyte-derived trophic factors, have also been described. Mutations in this gene may be associated with Hirschsprung disease. [provided by RefSeq
Other Designations	astrocyte-derived trophic factor|glial cell line derived neurotrophic factor|glial derived neurotrophic factor

Disease

- Attention Deficit Disorder with Hyperactivity
- Celiac Disease
- Genetic Predisposition to Disease
- Hirschsprung Disease
- Hydronephrosis
- Malignant melanoma
- Melanoma
- Mental Disorders
- Narcolepsy
- Neoplasm Invasiveness
- Schizophrenia
- Skin Neoplasms
- Sleep Apnea

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- Tourette Syndrome
- Vesico-Ureteral Reflux

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